

CASCADING TUB FILLER AND OVERFLOW ASSEMBLY

Abstract of th Disclosure

An inner and an outer body are clamped toward opposite faces of a tub wall over a tub overflow opening. Excess water flows from the tub through an overflow outlet water passage extending through the inner and outer bodies. A water inlet passage has an inlet in the outer body and a non-circular outlet in the inner body. Flow from the tub into the water supply is prevented by a check valve in the water inlet passage. An inlet water conditioning assembly is supported at the outlet of the water inlet passage to provide a smooth, controlled, laminar cascading flow into the tub. The inlet water conditioning assembly includes a flow straightener with parallel blades parallel to the flow direction dividing the total flow into segments that are reunited in a header region at the outlet of the flow straightener. A screen assembly downstream from the header region includes a number of wire mesh screen laminas each having a wire direction angularly offset from the wire direction of adjacent screens.